

Nu-Metrics Traffic Analyzer Study

Computer Generated Summary Report

City: Right side of the median

Street: Cedar Ave. #24 Red

A study of vehicle traffic was conducted with HI-STAR unit number 6314. The study was done in the East Bound lane on Cedar Ave. using counter #24 Red as shown on attached drawing. The counter was placed on the right side of the median away from Lee Hwy. The study began on 01/21/2004 at 12:00 PM and concluded on 01/21/2004 at 05:00 PM, lasting a total of 5 hours. Data was recorded in 60 minute time periods, The total recorded volume of traffic showed 36 vehicles passed through the location with a peak volume of 12 on 01/21/2004 at 03:00 PM and a minimum volume of 4 on 01/21/2004 at 12:00 PM. The AADT Count for this study was 173.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

| Chart 1 | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|------|
| 0 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 > |
| 0 | 5 | 10 | 8 | 3 | 0 | 1 | 0 |

At least half of the vehicles were traveling in the 15 - 19 mph range or a lower speed. The average speed for all classified vehicles was 20 mph with 14.8 percent exceeding the posted speed of 25 mph. The HI-STAR found 3.70 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 24.97 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

| Chart 2 | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|------|
| 0 to 20 | 21 to 27 | 28 to 39 | 40 to 49 | 50 to 59 | 60 to 69 | 70 to 79 | 80 > |
| 25 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 26 which represents 96.30 percent of the total classified vehicles. The number of Small Trucks in the study was 1 which represents 3.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/21/2004 at 03:00 PM the average headway between the vehicles

was 276.92 seconds. The slowest traffic period was on 01/21/2004 at 12:00 PM. During this slowest period, the average headway was 720.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 35 and 50 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.